

HUBAC, M.;POUPA, O.;ZELENY, A.

Closing remarks on nutrition of workers exposed to heat. Sborn. patho-
fysiol. trav. vyz. 7 no.1-4:75-79 June 1953. (GLML 25:1)

1. Of the Research Institute of Nutrition (Director---Docent J. Masek,
M. D.), Prague and of the Institute of Physiology of Charles University
Branch in Pilsen and of the Regional Institute of Labor Hygiene and of
Occupational Diseases, Bratislava.

BORSKY, I.;HAJZOKOVA, M.;HURAC, M.

Changes in certain hemtaic values in the inhabitants of Visuta
Lenovka in the Tatranska Lomica. Cesk. fysiolo. 8 no.5:393-394
S '59

1. Ustav hygieny prace a chorob z povolania, Bratislava.
(ALTITUDE, eff.)
(BLOOD, chem.)

BORSKY, I.; HAJZOKOVA, M.; HUBAC, M.

Changes of certain blood values in workers of the cable car system
in Tatranska Lomnica. Pracovni lek.12 no.8:426-430 0'60.

1. Ustav hygieny prace a chorob z povolania v Bratislave, riaditel
MUDr. I. Klucik.

(BLOOD)

(ALTITUDE)

HUBAC, M.;BORSKY, I.;STRELEKA, F.

Calorie requirement in workers using motor hole-diggers. Cesk.
fysiol. 9 no.1:17-18 Ja 60.

1. Ustav hygieny prace a chorob z povolania, Bratislava.
(NUTRITION)

BORSKY, I.; HUBAC, M.; STRELKA, F.

Establishment of physiological data for the determination of efficiency standards in work with motor boring machines. Pracovní lek.12 no.10:520-523 D '60.

1. Ustav hygieny prace a chorob z povolania v Bratislave, riaditel MUDr. I. Klucik.

(OCCUPATIONS AND PROFESSIONS)

STRELKA, F.; HUBAC, M.; BORSKY, I.

Calory requirement in men transporting various types of power
saws. Pracovni lek.13 no.1:15-17 F '61.

1. Ustav hygieny prace a chorob z povolania v Bratislave,
riaditel MUDr. I. Klucik.
(EXERTION)

VALENTSIKH /reviewer/, HUDCOVIC, A. /author/

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: /not given/

Source: Bratislava, Lekarsky Obzor, Vol X, No 6, 1961, page 368.

Data: "Maternity" (Nauka o materstve), Martin, Osveta, 1959, 1st ed.
460 pages.

GPO 981643

HAJZOKOVA, M.; HUBAC, M.; LISKA, S.

Excretion of vitamin B1 in sweat during work in a hot environment.
Cesk. gastroent. vyz. 15 no.2:95-101 Mr '61.

1. Ustav hygieny prace a chorob z povolania v Bratislave, riaditel
MUDr. I. Klucik.

(SWEAT chem) (VITAMIN B1 metab) (EXERTION) (HEAT)

STRELKA, F.; HUBAC, M.; BORSKY, I.; Technická spolupráca ~~M~~UTORA, A.;
ZOHORSKY, J.; KOTLEBA, R.

The expenditure of energy in manual and mechanical bark stripping
operation. Prac. lek. 13 no.8/9:423-426 N '61.

1. Ústav hygieny práce a chorob z povolania v Bratislave, riaditeľ
MUDr. I. Klucik.

(EXERTION)

NOVA, M.; HUBAC, M.; STRELKA, F.

Relation of some somatic and dynamometric indicators to the age, sexual development, physical development and weight. Pracovni lek. 14 no.5:228-231 Je '62.

1. Ustav hygieny prace a chorob z povolania v Bratislave, riaditel Dr. I. Klucik.

(GROWTH) (BODY WEIGHT) (AGING)

HUBAC, M.

Some physiological aspects of working hours. Pracovni lek. 14 no.5:
248-251 Je '61.

1. Ustav hygieny prace a chorob z povolania v Bratislave, riaditel
MUDr. I. Klucik.

(INDUSTRIAL MEDICINE)

NOVA, M.; HUBAC, M.; NOVOMESKA, Z.; ZAHORSKY, J.

Pulmonary ventilation, oxygen requirement and oxygen utilization in adolescents during physical exertion. Pracovní lek. 14 no.8:379-382 0 '62.

1. Ústav hygieny práce a chorob z povolania v Bratislave, riaditeľ
MUDr. I. Klucik.

(RESPIRATION)

(EXERTION)

HUBAC, M.; BORSKY, I.

The phenomenon of "supersystolic tonus" in the measurement of blood pressure by the auscultation method. Bratisl. Lek. Listy 42 no.2: 685-690 '62.

1. Z Ustav hygieny prace a chorob z povolania v Bratislave, riaditel' MUDr. I. Klucik.

(BLOOD PRESSURE) (AUSCULTATION)

CZECHOSLOVAKIA

M. HUBAC [Same affiliation as above]

"Development and Activity of the Section on Work Physiology."

Prague, Pracovní Lékarství, Vol 15, No 1, Jan 1963; pp 22-24.

Abstract: This section of the Bratislava Institute now has 3 physicians, 1 psychologist and 5 technical assistants on the staff; in 10 years, 67 publications originated from it. Studies included fluid and Cl metabolism in miners, cardiovascular tolerance to environmental heat, occupational medical and ergonomic problems connected with the mechanization of the forestry and lumber industry, and various aspects of human engineering.

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LISKA, S.; HUBAC, M.; HAJZOKOVA M.; Institute of Hygiene of Work and Occupational Diseases at Bratislava, Manager Prof. M. Nosal, and Czechoslovak State Spa Trencianske Teplice, Manager Doctor L. Spiska / Ustav hygieny prace a chorob z povolania v Bratislave riaditel prof. M. Nosal; Ceskoslovenske statne kúpele Trencianske Teplice, riaditel MUDr. L. Spiska /.

"Effect of Work in Hot Environment on the Activity of Blood Cholinesterases".

Prague, Pracovni Lekarstvi, Vol 15, No 7, 1963, pp 291-293

Abstract: 8 subjects were examined to study the activity of cholinesterase in plasma and erythrocytes before work and after work on a bicycle ergometer with a constant load of 100 Watt and at 24, 33, 39 and 45C. A significant increase of cholinesterase activity was noticed only at the highest temperature, that is 45C. 2 Tables, 12 Western, 1 Czech, 2 Polish, 2 Russian references.

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HUBAC, Miloslav, MUDr. CSc.

Physiological problems of work of miners with regard to operations in hot environment. Rudy 12 no.7/8:235-238 JI-Ag*64
(MIRA 17:8)

1. Institute of Industrial Hygiene and Occupational Diseases,
Bratislava.

BORSKY, Imrich; HUBAC, Miloslav; Technicka spolupraca: NOVOMESKA, Zuzana

Change in the eosinophil count in the peripheral blood following static and dynamic work loads. Prac. lek. 16 no.5:193-197 J1 '64.

1. Ustav hygieny prace a chorob z povolania v Bratislave (riaditel prof. dr. M. Nosal).

BORSKY, Imrich; HUBAC, Miloslav; STRELKA, Frantisek

Effect of statistical and dynamics loads on some physiological functions of the body. Part 1. Prac lek. 7 no.8:345-350 0 ' 65

1. Vyskumny ustav hygieny prace a chorob z povolania v Bratislave (riaditel - prof. dr. M. Nosal).

112.172.3:615.153.484.2).
KRAMPL, Vaclav; BORSKY, Imrich, HUBAC, Miloslav; Research Institute of Work Hygiene and Occupational Diseases (Vyskumny Ustav Hygieny Prace a Chorob z Povolanania), Bratislava, Director (Riaditel) Prof Dr M. NOSAL.

"Changes in Blood Levels of Lactic and Pyruvic Acid During Static and Dynamic Loads."

Prague, Pracovni Lekarstvi, Vol 18, No 3, Apr 66, pp 108-111

Abstract [Authors' English summary modified]: Changes of lactic and pyruvic acid levels were investigated in 14 men aged 20-24. Lactic acid level, and the lactate/pyruvate ratio can be used as a criterion of the static load as far as oxygen consumption is concerned. With oxygen consumption of 0.1-0.6 l/min the lactic acid level was 12-35 mg%; the same level corresponds to a dynamic load value of 0.4-1.3 l/min. Pyruvate levels do not show differences caused by discrepancy between static and dynamic loads. Increase in oxygen consumption does not increase the pyruvic acid level. 2 Figures, 5 Western, 5 Czech references. (Ms. rec. 18 May 65).

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CZECHOSLOVAKIA

UDC 612.766.1:616.153(:577.15.084).

KRAMPL, Vaclav; HUBAC, Miloslav; BORSKY, Imrich; Research Institute for Work Hygiene and Occupational Diseases (Vyskumny Ustav Hygieny Prace a Chorob z Povolania), Bratislava, Director (Riaditel) Prof Dr M. NOSAL.

" Activity Changes of the Serum-Enzyme After a Physical Load."

Prague, Pracovni Lekarstvi, Vol 18, No 4, May 66, pp 150-153

Abstract [Authors' English summary modified]: Activity of glutamoxaloacetic- glutamopyruvic transaminase and aldolase in the serum was investigated experimentally after a physical dynamic or static load. Immediately after the physical work the activity increased significantly, the increase being about the same, whatever the load. After a greater load the peak was reached in the 5th minute of recovery period. In the 5th recovery minute a significant difference of enzyme activity was observed after a small and a large physical load. An increased expenditure of serum enzymes from the muscle-cell to the blood occurs after work connected with relative muscle hypoxia. 1 Figure, 1 Table, 10 Western, 5 Czech references. (Manuscript received 18 May 65).

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CZECHOSLOVAKIA UDC 612.766.1:616.153(:577.15.084).

KRAMPL, Vaclav; HUBAC, Miloslav; BORSKY, Imrich; Research Institute for Work Hygiene and Occupational Diseases (Vyskumny Ustav Hygieny Prace a Chorob z Povolania), Bratislava, Director (Riaditel) Prof Dr M. NOSAL.

"Activity Changes of the Serum-Enzyme After a Physical Load."

Prague, Pracovni Lekarstvi, Vol 18, No 4, May 66, pp 150-153

Abstract [Authors' English summary modified]: Activity of glutamo-oxaloacetic- glutamo-pyruvic transaminase and aldolase in the serum was investigated experimentally after a physical dynamic or static load. Immediately after the physical work the activity increased significantly, the increase being about the same, whatever the load. After a greater load the peak was reached in the 5th minute of recovery period. In the 5th recovery minute a significant difference of enzyme activity was observed after a small and a large physical load. An increased expenditure of serum enzymes from the muscle-cell to the blood occurs after work connected with relative muscle hypoxia. 1 Figure, 1 Table, 10 Western, 5 Czech references. (Manuscript received 18 May 65).

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CZECHOSLOVAKIA
BORSKY, Imrich; HUBAC, Miloslav; Research Institute for Work Hygiene and Occupational Diseases (Vyskumny Ustav Hygieny Prace a Chorob z Povolania), Bratislava, Director (Riaditel) Prof Dr M. NOSAL.
APPROVED FOR RELEASE: 09/21/2001, CIA-RDP86-00513R000618230008-3"

"The Effect of Static and Dynamic Load on Some Physiological Functions of the Organism. Part II. Changes in the Pulse Rate and their Relationship to the Changes in Respiration."

Prague, Pracovni Lekarstvi, Vol 18, No 5, Jun 66, pp 206 - 211

Abstract [Authors' English summary modified]: Pulse rate and respiration changes were investigated in men aged 20-24 in a 5 minute period of work followed by 13 minutes of rest. The pulse rate increased in the first 2-3 minutes, and then remained steady, until the 4-5th minute when it increased again. The increase in the load increases the pulse rate; low loads cause small increases. The nature of the load, and the position of the worker have a great importance on the reaction of the body. 4 Figures, 1 Table, 6 Western, 2 Czech, 3 Russian references. (Ms. rec. 8 Jul 65).

1/1

HUBACEK, Emil, inz.; FALA, Jan

Problems of collecting data for an automatic computer.
Podn org 18 no. 3:130-131 Mr '64.

1. Regional Association of National Enterprises of the Building Industry, Ostrava.

ADAMICEK, Frantisek; HUBACEK, Frantisek

Control valves with an adjustable linear or program characteristic.
Energetika Cs 12 no.12:671-673 D '62.

1. Vyzkumny ustav vzduchotechniky, Praha 10 - Malesice.

HUBACEK, J.

Land reclamation in Ostrava District.

P. 32. (VODNI HOSPODARSTVI) (Praha, Czechoslovakia) No. 1, Jan. 1958

SO: Monthly Index of East European Accession (EEAI) IC Vol. 7, No. 5, 1958

HUBACEK, J.; MALEK, I.

Granular structure in Mycobacteria, Corynebacteria, and non acid-resistant stains obtained during the conversion of Mycobacterium tuberculosis.

P. 190, (Ceskoslovenska Mikrobiologie) Vol.2, no.3, June 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

HUBACEK, J.; ~~MAZEK, J.~~

SCIENCE

ČESKOSLOVENSKA MIKROBIOLOGIE. Vol. 3, no. 1, 1958.

HUBACEK, J.; ~~MAZEK, J.~~ Some biological and biochemical properties of acid-fast and nonacid-fast strains of Mycobacterium phlei. p. 32.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 3, March, 1959. Uncl.

EXCERPTA MEDICA Sec 15 Vol 12/12 Chest Dis. DEC 59

2819. PHOTOCHROMOGENIC MYCOBACTERIA, THEIR IMMUNOLOGICAL PROPERTIES AND THEIR RELATIONS TO VIRULENT, AVIRULENT AND SAPROPHYTIC FORMS OF MYCOBACTERIA - Fotochromogenní mykobakteria, jejich imunologické vlastnosti a vztah k virulentním, avirulentním a saprofytickým mykobakteriím - Hubáček J. and Málek I. Biol. Ust. CSAV, Praha - ROZHL. TUBERK: 1958, 18/10 (740-748) Graphs 3

Tables 3
This purely bacteriological article deals with vaccine preparation, preparation of tuberculin and animal experiments carried out in order to study immunizing effects especially of the photochromogenic mycobacteria. Amongst others, the reaction of Middlebrook and Dubos was used. This communication is highly specialized, so that not all important facts can be given in a short abstract. Those interested are therefore advised to read the original, which also contains a number of summarizing tables.

Schaich - Luisenheim (XV, 4)

EXCERPTA MEDICA Sec 4 Vol 12/10 Medical Microb. Oct 50

3139. FACTORS INHIBITING AND STIMULATING GROWTH OF MYCOBACTERIA IN THE BLOOD AND SERUM OF NON-IMMUNIZED AND IMMUNIZED ANIMALS - Hubáček J. and Málek I. Inst. of Biol., Czechoslovak Acad. of Scis, Prague - NATURE (Lond.) 1959, 183/4655 (187-188) Tables 1 illus. 1

The authors cultured Myc. tuberculosis (BCG) in a thin layer of 2% glycerin agar on a slide in 2 ml. test serum, incubated at 37° C. for 96 hr. in 2 stages, changing the serum after 48 hr. The microcolonies were then counted, as in the experiments of Kotani, Tsujimoto, Takeuchi and Seki (Med. J. Osaka Univ. 1953, 4, 9). When the sera of normal rabbits were used for the tests, great differences in growth activity were observed. In the sera of 24 rabbits examined in the course of one year, the average growth of Mycobacteria varied from 2.0 to 7.5 individual bacilli per microcolony. Authors think the variation may be due to fluctuations in a naturally occurring antimicrobial substance in these normal sera. A further increase in the inhibitory action of rabbit sera was observed after immunization of the parent animals with a killed vaccine of Myc. tuberculosis var. bovis (Duprey). Heating the sera of non-immunized and immunized rabbits at 56° C. for 30 min. did not affect the growth of Myc. tuberculosis (BCG), but a temperature of 70° C. for 30 min. increased the growth of this strain. Authors claim that what they call 'adsorption' of the sera of normal and immunized rabbits with Myc. tuberculosis (BCG) has an effect which is not at all clear.

Marsh - Epping (IV, 15, 17*)

HUBACEK, Jaromir; TROJNA, Milan

Hop tannin; flavonol glycosides in some Czechoslovak and foreign varieties. Pt. 1. Kvasny prum 10 no. 8:169-172 Ag '64.

1. Chair of Chemistry, Higher School of Agriculture, Prague.

HUBACEK, Jaromir; TROJNA, Milan

Hop tannin; flavonols in some Czechoslovak and foreign hop varieties. Pt.2. Kvasny prum 10 no.9:193-196 S '64.

1. Chair of Chemistry, Higher School of Agriculture, Prague.

MROVEC, J.;HUBACEK, J.

Laryngeal edema in so-called Melkersson-Rosenthal syndrome.
Cesk. otolaryng. 13 no.6:363-367 N'64.

1. Otolaryngologická klinika lékařské fakulty Palackého
University v Olomouci (prednosta prof. dr. J.Chvojka).

HUBACEK, J.

Strains of *Mycobacterium phlei* obtained by lysogenization with a specific phage and changes in the characteristics of these strains.
Folia microbiol 5 no.3:171-175 '60. (FEAI 9:10)

1. Department of Microbiology, Institute of Biology, Czechoslovak Academy of Sciences, Prague.

(MYCOBACTERIUM PHLEI)

(BACTERIOPHAGE)

(LYSINS)

HYBASEK, Ivan; KRC, Cyril: HUBACEK, Jiri

Remote x-ray data on antrectomized subjects. Cesk.otolar.9 no.5:
277-282 0'60.

1. ORL klinika PU v Olomouci, prednosta prof.dr. F.Ledl. Ustr.
rtg ustav fak. nem. PU v Olomouci, predn. prim.dr. Jar.Doubrovsky.
(MAXILLARY SINUS surgery)

TESARIK, Jan; HUBACEK, Jiri

Cysts of the nasopharynx. Cesk. otolar. 10 no.5:305-306 0 '61.

1. Otolaryngologicka klinika PU v Olomouci, prednosta doc. MUDr. Jan Chvojka.

(NASOPHARYNX dis)

HUBACEK, J.; MALEK, I.

The initial, chloramphenicol-sensitive phase in the transduction of
Salmonella typhimurium. Folia microbiol. 7 no.1:26-32 '62.

1. Department of Microbial Genetics and Variability, Institute of
Microbiology, Czechoslovak Academy of Sciences, Prague 6.

(CHLORAMPHENICOL pharmacol)
(SALMONELLA TYPHIMURIUM pharmacol)

HUBACEK, J.; TESARIK, J.

Pain in nasopharyngeal diseases. Cesk. otolaryng. 12 no. 5:
271-273 0 '63.

1. Otolaryngologická klinika lékařské fakulty PU v Olomouci,
prednosta prof. dr. J. Chvojka.

(NASOPHARYNX) (OTORHINOLARYNGOLOGY)
(PAIN) (NEURALGIA) (PARESTHESIA)
(TUBERCULOSIS, LYMPH NODE) (SARCOIDOSIS)
(ADENOIDS) (NASOPHARYNGEAL NEOPLASMS)

CZECHOSLOVAKIA

UDC 616.329-002.828

HUBACEK, J.; HERODEK, F.; Otolaryngological Clinic, Medical Faculty, Palacky University (Otolaryngologicka Klinika Lek. Fak. PU), Olomouc, Chief (Prednosta) Prof Dr J. CHVOJKA.

"Mycotic Esophagitis."

Prague, Casopis Lekaru Ceskych, Vol 106, No 7, 17 Feb 67, pp 174 - 177

Abstract [Authors' English summary modified]: In 57 esophagoscopic examinations yeast cells were found in 24 cases; in 8 patients mycosis of the esophagus was diagnosed clinically. This disease can be classified into: 1: catarrheal form; 2. membranous form; 3. pseudotumorous; 4. "Cotton Wool" esophagus. Antimycotic preparations should be used in the treatment. It is essential to reopen the passage through the esophagus, discontinue antibiotics, and improve the general condition of the patient. 2 Tables, 7 Czech references. (Manuscript received Mar 66).

1/1

HUBACEK, J.; TESARIK, J.

Artificial stapes in tympanoplastic operations. Cesk. otolaryng.
. 13-no. 1:13-20 F'64

1. Otolaryngologická klinika lékařské fakulty PU v. Olomouce;
prednosta: prof. dr. J. Chvojka.

*

HORAKOVA, M.; HUBACEK, J.

Toxoplasma lymphadenitis. Cesk. otolaryng. 13 no.1:45-50 F'64.

1. Otolaryngologicka katedra lekarske fakulty PU v Olomouci;
vedouci: prof.dr. J.Chvojka.

22817-66 EWP(e) WH

ACC NR: AP6010704

SOURCE CODE: CZ/0034/65/000/004/0275/0281

AUTHOR: Hubacek, Jan (Engineer); Svejda, Zdenek (Doctor; Engineer)

ORG: Metal Research Institute, Panenske Brezany (Vyzkumny ustav kovu)

TITLE: Manufacture of alumina from clays and ashes by sintering with limestone

SOURCE: Hutnicke listy, no. 4, 1965, 275-281

TOPIC TAGS: alumina, sintering, cement, silicon dioxide, clay, aluminum oxide

ABSTRACT: Production of alumina and of quick hardening cement from clays found at depth and from ashes was investigated. A new method for treating of self-disintegrating clinkers (A-flour) is described. Solutions of alumina containing 30 g/l of Al_2O_3 for ashes, and 42 g/l for clays were used in the method. Resulting alumina contains a max. of 0.05% of SiO_2 . The waste black slurry yields a quick hardening cement. Results of a full scale operation using the new methods are described. Results obtained in a pilot plant with slightly varied operating conditions are discussed. Economical advantages of the newly proposed method are evaluated. Orig. art. has: 2 figures, 4 formulas, and 8 tables. [JPRS]

SUB CODE: 11 / SUBM DATE: none / ORIG REF: 011 / OTH REF: 001

Card 1/1

UDC: 661.862

TROJNA, Milan; HUBACEK, Jaromir

Quantitative determination of saccharose, raffinose, and
some reducing sugars. Kvasny prum 9 no. 6: 147-149
Je '63.

1. Katedra chemicka, Vysoka skola zemedelska, Praha.

HUBACEK JAROMIR
CZECHOSLOVAKIA / Organic Chemistry. Synthetic Organic Chemistry. G-2

Jos Jour : RZhKhim., No 10, 1958, 32407

Author : Milan Trojna, Jaromir Hubacek

Inst : Not given

Title : Some New Derivatives of β, β, β -Trichloro- α, α -bis-(4-oxyphenyl)-Ethano.

Orig Pub : Chem. listy, 1957, 51, No 4, 752-755; Sb. chokhosl. khim. rabot, 1957, 22, No 4, 1162-1166.

Abstract : Substances of the general formula $(4-HO-3-R-5-R'C_6H_2)_2-CHCCl_3$ (I) were synthesized during the search for new insecticides. I ($R = R' = H$) (Ia) is prepared by the condensation of 0.604 mole of $CCl_3CHO \cdot H_2O$ with 1.211 mole of phenol in glacial CH_3COOH (40 mlit) + concentrated H_2SO_4 (165 g) in 2 hours at 20° , yield 92.8%, melting point 202° (not corrected) (from CH_3OH -benzene, 2 : 3) (Elbs K., J. prakt. Chem., 1893, 47, 44). 0.2 mole of Ia is sulfonated

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Card 1/4

APPROVED FOR RELEASE: 09/21/2001

CIA-RDP86-00513R000618

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81607.

Author : Trojna M., Hubacek J.

Inst :

Title : Sulfonation and Some Derivatives of β, β, β -trichloro-
 α, α -diphenyl-ethane.

Orig Pub: Chem. listy, 1958, 52, No 1, 87-94.

Abstract: Some sulfonic acids of $\text{CCl}_3\text{CH}(\text{C}_6\text{H}_5)\text{C}_6\text{H}_4\text{R}$ (I) were synthesized for the purpose of further developing the insecticidal activity of the analogs of DDT. I is formed by the action of ClSO_3H in CHCl_3 at $\sim 20^\circ\text{C}$., (R is $\text{SO}_3\text{H-p}$) (Ia); and in the absence of the solvent, $\text{CCl}_3\text{CH}(\text{C}_6\text{H}_5)\text{SO}_3\text{H-p}$ (II) is formed. The action of 6.3% oleum at 65°C . leads to the splitting

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CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81607.

of HCl with the formation of $\text{CCl}=\text{C}(\text{C}_6\text{H}_4\text{SO}_3\text{H-p})$ III, and in acetic acid under the same conditions leads to II and $\text{CCl}_2\text{CH}(\text{C}_6\text{H}_4\text{SO}_3\text{H-p})$ ($\text{C}_6\text{H}_4\text{SO}_3\text{H-m}$) (IV). The following were obtained: Na-salts, sulfochlorides, amides and benzylisothiuronc salts (BS) of some acids. The structure of the acids was confirmed by the oxidative splitting to known derivatives of benzoic acid or of benzophenone. Upon mixing 6.046 moles of benzene and 3.023 moles of chloraldehyde with 1.3 liters of concentrated sulfuric acid at 17-20°C. for 3 hours, I was obtained in a 94.6% yield, m.p. 67°C. ClSO_3H was added dropwise to the solution of 0.1 moles of I in CHCl_3 at 18°C., was mixed for one hour, was poured on ice, was filtered at 80°C. and upon saturating the solu-

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CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry.

G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81607.

tion with NaCl, the Na salt of I-a was separated, yield 65.5%. Upon heating I-a for three hours with NaOH in alcohol, the Na salt of $\text{CCl}_2 = \text{C}(\text{C}_6\text{H}_5)_2\text{C}_6\text{H}_4\text{SO}_3\text{H}$ (V) was obtained, yield 82.8%. I was added at 65°C. to oleum (6.3% SO_3), it was poured on ice and III was obtained, yield 21.5%, m.p. 268-269°C., there were obtained the Ba-salt (dihydrate) and Pb-salt (trihydrate), the disodium salt was obtained by mixing of the water solution of III with a saturated solution of NaCl, also by heating II with aqueous NaOH for 90 minutes, yield 82.3%. Disodium salt was synthesized by three methods: 1) From I (0.2 mole) and 380 grams of oleum in 60 ml glacial acetic acid (1 hour, 65°C.) followed by pouring onto ice, neutralization with sodium carbonate and saturation with NaCl at 60°C., yield 38.7%; 2) By

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CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G-2

Abs Jour: Ref Zhur-Khim., No 24, 1958, 81607.

mixing I (0.5 mole) with 0.05 moles of ClSO_3H at 20°C . for 45 minutes and pouring into a water solution of NaCl ; yield 23.7%. 3) In the same way the Ba-salt (dehydrate) was obtained from I-a, like in the second cause. From the mother liquors after II (obtained by the first method) was obtained the disodium salt of IV; by acidifying the solutions of di-Na-salts with HCl , and by the addition of benzylisothiuronium chloride in water or in alcohol, the following BS were obtained (are given: acid, yield in % and m.p. in $^\circ\text{C}$. BS): I-a, 94.7, 169-172; II, 85.6, 190-191; LLL 83.1, 176-178.5; V, 95, 199-201. Upon heating of Na-salts for 15 minutes with PCl , the following sulfochlorides (SCL) were synthesized, (furnished are acid, yield in % and m.p. in $^\circ\text{C}$. SCL): I-a, 82.1, 11, II, 83, 191-192; III, 70, 188;

Card : 4/5

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry.
 Abs Jour: Ref Zhur-Khim., No 24, 1958, 81607.

G-2

IV, 72.8, 126-127; V, 79, 77.5. The agitation of SCL
 with NH in ether led to the following anides: I-a,
 95.7, 167.5; II, 64.4, 227; III, 78.0, 253-254; IV,
 36.5, 187-188; V, 94.1, 157. In the same way from the anide
 in water (4 hours, 50°C.) and p-HOOC-C₆H₄-SO₂-H was ob-
 tained, yield 41.7%. By the oxidation of the
 or III, p-sulfonamidbenzoic acid, was synthesized,
 yield 29.8% and (p-NH₂-SO₂-C₆H₄-CO, m.p. 252°C; phenylhy-
 drazone (PH), m.p. 254-255°C. The identity of sul-
 amide of IV with KMnO₄ one obtained p- and m-sulfa-
 midbenzoic acids and p-NH₂-SO₂-C₆H₄-CO-C₆H₄-SO₂-NH₂, m.p.
 185-186°C; PH, m.p. 234-235°C. The identity of sul-
 famidbenzoic acids was proven by paper chromatography
 with the application of the various solvents.

Card

: 5/5

27

09/21/2001

CIA-RDP86-00513R00061827

COUNTRY : CZECHOSLOVAKIA
CATEGORY : Organic Chemistry. Synthetic Organic Chemistry
ABS. JOUR. : RZKhim., No. 23 1959, No. 82277
AUTHOR : Trojna, M.; Hubacek, J.
INST. : -
TITLE : Sulfonation and Some Derivatives of β,β,β -trichloro- α,α -diphenylethane
ORIG. PUB. : Collect. Czechosl. Chem. Commun., 1959, 24, No 3, 935-943
ABSTRACT : No abstract.
See RZKhim., 1958, No 24, No 81607

CARD: 1/1

HUBACEK, J.; TROJNA, M.

Paperchromatography of the flavonol-glycoside in hops (*Humulus lupulus* L.). Coll Cz Chem 29 no.5:1259-1265 May '64.

1. Institute of Chemistry, Higher School of Agriculture,
Prague.

TESARIK, Jan; HUBACEK, Jiri

On the problem of large vessels in the area of the oropharynx and external and middle ear. Cesk. otolaryn. 11 no.4:200-206 Ag '62.

1. ORL klinika lek. fakulty Palackeho university v Olomouci, predn.
doc. dr. J. Chvojka.

(ANEURYSM) (PHARYNX) (EAR MIDDLE) (EAR EXTERNAL)
(VERTEBRAL ARTERY) (CAROTID ARTERY DISEASES)
(CEREBRAL ANGIOGRAPHY)

CA HUBACEK, J.

21

The determination of combined acids and their bonds in solid fuels. Josef Hubacek (Inst. Chem. Fac. Brno, Prague, Czech.). *Palios* 30, 286-02 (1950). In a study of the humic acids in coal, the principle of base exchange is adapted from Fuchs (C.A. 25, 394). One g. of powd. coal is washed with H_2O and treated with $NaOAc$ to convert free acids and their salts to Na humates (I). Portions of the filtrate (II) are titrated with KOH to det. free humic acids, and Fe, Ca, and Mg are detd. in acidified portions and calcd. to the corresponding humates. Al, which is negligible, is detd. along with Fe. Dissolved $CaSO_4 \cdot 2H_2O$ in II may give high results for Ca humates and is corrected by a sulfate detn. Total humic acids are detd. by treating I with $Ba(OAc)_2$ soln. and noting loss of Ba in the filtrate. J. L. Jezl

HUBACEK, J.

3694. MELTING POINT OF COAL ASH. Hubacek, J., and Krejčík, Z.
(Paliya (Fuel, Prague), 1953, vol. 33, 134-136, 170-176; abstr. in Chem. N
Abstr., 1955, vol. 49, 7533. Russian, German, British, and American (ASTM)
methods for determining melting points are compared. The melting points of
ashes may differ as much as 400° depending on the reductive or oxidative
atmosphere of the furnace. A special Heraeus-type furnace with molybdenum
resistance wire was designed. The ash was subjected to an inert atmosphere
consisting of nitrogen N_2 , carbon dioxide CO_2 , and illuminating gas H_2 .
To determine the melting point of ash, the ash was wetted with 10% dextrin
solution, placed in a special form, and heated. Various samples of ashes
from Czech mines were tested. L.

HUBBARD, J.

Hubbard, J.; Krige, A.

"An Attempt To Determine The Surface Water in Lake Poona."
p. 109. (P. Liva. Vol. 13, No. 10, Oct. 1953, Praha.)

Vol. 13, No. 10.

See: Monthly List of East European Accidents, Library of Congress, March 1, 54, Uncl.

HUBACEK, Josef, promovany ekonom; KRAUS, Josef, inz.

New trends in the production and use of industrial fertilizers
in the world. Vest ust zemedel 11 no.6:231-237 '64.

1. Institute of Scientific and Technological Information,
Ministry of Agriculture, Forestry and Water Resources
Management, Prague.

HUBACEK, Josef, promovany ekonom; KRAUS, Josef, inz.

Scientific research and consultant activities in the United States agriculture. Vest ust zemedel 11 no.10:3 of cover - 4 of cover '64.

1. Institute of Scientific and Technological Information, Ministry of Agriculture, Forestry and Water Resources.

HUBACEK, J.

Standardization of solid fuels in the USSR. p. 107.

NORMALISACE. Praha. Vol. 3, no. 5, May 1954.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

HUBACEK, J. - Vol. 4, no. 2, Feb. 1954. ZA SOCIALISTICKOU VEDU A TECHNIKU

Coal, the basic source of energy in Czechoslovakia. p. 54.

SO: Monthly list of East European Accessions, (EEAL), LC, Vol. 4, No. 9, Sept. 1955
Uncl.

HUBACEK, J.; ROMOVACKOVA, H.

"Proposal for a Czechoslovak Standard for Determining Hydrogen and Carbon In Solid Fuels", P. 193, (PALIVA, Vol. 34, No. 7, July 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

HUBACEK, J.; ROMOVACKOVA, H.

"Symbol of Cooperation Between Science and Practice", P. 195, (PALIVA,
Vol. 34, No. 7, July 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

HUBACK, J.

Relations between standardization and planning in the field of solid fuels in Czechoslovakia, p. 52, ZA SOCIALISTICKOU VEDU A TECHNIKU (Pripravny vybor vedeckych technickch spolecnosti pri eskoslovenske akademii ved) Praha, Vol. 5, No. 2, Feb. 1955,

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1955

HUBACEK, JOSEF.

Uskladnovani paliv. Praha, Orbis, 1957. 177 p. (Fuel storing illus.)
DS Not in DLC

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

BUCHACEK, J.

Ash content of solid fuels. p. 204

PALIVA (Ministerstvo paliv a Ceskoslovenska vedecka technicka spolecnost pro
vyuziti paliv pri Ceskoslovenske akademii ved) Praha, Czechoslovakia Vol. 39,
no. 9, Sept. 1959

Monthly List of East European accession, (EEAI), IC, Vol. 8, No. 12, Dec. 1959
Uncl.

HUBACEK, J., inz.; LUSTIGOVA, M., inz.

New methods of solid fuel analysis; comparison of the Dutch and Czechoslovak method of determining the humic acids in coal. Paliva 41 no.4:116 Ap '61.

HUBACEK, J.; LUSTIGOVA, M.

Humic acids in the Czechoslovak lignites and their determination.
Paliva 41 no.12:370-374 D '61.

1. Ustav pro vyzkum paliv, Bechovice.

HUBACEK, J.; LUSTIGOVA, M.

Humic acids in Czechoslovak lignites and their determination. Prace
vyzkum paliv 4:357-380 '62.

HUBACEK, K., inz.; ZACHAR, Z., inz.

Television transmitter and a restaurant on Jested Mountain.
Poz stavby 13 no.1:38-40 '65.

1. Regional Project Institute, Usti nad Labem, Branch Liberec.

CONK, V., inzh., arch.; WENGL, Z., inz.; HUBACEK, K., inz., arch.

Development of the central airplane maintenance service at the
Ruzyně airport. Letecký obzor 6 no.11:359-361 '62.

AUTHORS:

Conk, Vladimír, Engineer Architect
Hubáček, Karel, Engineer Architect

Z/040/63/000/001/001/007
E073/E492

TITLE:

New workshop hangar at the airport Praha-Ruzyně

PERIODICAL:

Letecký obzor, no.1, 1963, 4-6

TEXT: In this article detailed information concerning a new workshop hangar is given. This hangar contains a general hall with workshops for inspection and general repairs, stores, administrative offices and social services. It is directly adjacent to the manipulation area and all the electricity supplies and "engineering network". The new workshop hangar was necessitated by the increased use of the IL-18 aircraft and other aircraft under development which are too large to use the existing hangars, which also are not adequately equipped for inspection of the new types of aircraft. This is in line with developments abroad. The individual bays of the new workshop hangar serve as inspection stands for small and medium aircraft of the existing general overheads of certain types of aircraft; the workshops serve for inspection and repair of parts of aircraft and for equipment; the stores serve for storing airframe parts, radio and

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New workshop hangar ...

Z/040/63/000/001/001/007
E073/E492

electrical instruments, spares, raw materials, tyres etc. The remaining floor space serves for offices, canteens and other auxiliary services. The designs were based on requirements anticipated for 1965 as regards types and number of aircraft, number of flying hours per annum per aircraft, types of inspection and number of hours until the next inspection, number of shifts required for the inspections and number of workers engaged simultaneously on a single inspection job. Work in two-shifts is scheduled for inspections A-E and of 1.5-shifts for inspections F-G; two full shifts will be worked in the workshops whilst on the aircraft itself work will be on a single shift only. The number of working days is assumed at 300 per annum with eight hours per day. The amount of nonuniformity in the idle (inspection, maintenance) times varies from 1.34 to peak values of 2.28. Therefore, in the proposal a nonuniformity of two was adopted for inspections (revisions) A-E and one for inspections F-G, since the cycle of these inspections is 4 to 6 weeks and the auxiliary times cannot influence the number of nonoperational times. For the individual types of aircraft, the following idle times were

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New workshop hangar ...

arrived at:

Z/040/63/000/001/001/007
E073/E492

| Inspection F and G | Nonuniformity coefficient | IL-18 and YU-104 air- craft | Medium aircraft (IL-14) | Small aircraft (L-200, L-60 and piston aircraft) |
|-----------------------|------------------------------|-----------------------------------|-------------------------------|--|
| | | | | |
| 1 | 0.682 | | 0.812 | |
| 2 | 4.226 | | 2.514 | 4.388 |
| | | | | 0.532 |

To determine the total idle time, medium aircraft are "converted" to large reference aircraft at a ratio of 1.5:1, giving idle time for Inspection F and G, for large and medium aircraft, 1.223 and for Inspection A-E, for large and medium aircraft, 5.902. Noisy and dangerous workshops were placed at the extreme end of Card 3/5

New workshop hangar ...

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E073/E492

the building; there were sufficient access roads to the individual parts of the workshops in the hangar and to enable direct connection between the workshops administration and the workshops. The use of modern building materials, i.e. metal and asbestos panels with thermal insulation filler, greatly influenced the architectural feature. Alternative designs were submitted: a suspended steel ceiling structure anchored to the ferroconcrete structure of the workshop annexe was adopted for the hangar together with an arc-shaped frame structure suspended by means of tension rods anchored into rigid ferroconcrete frames of the workshop building. The stressing was based on statistical evaluation of weather data gathered directly at the airport. Simultaneously, a (1:300) model was built for tests. Vibration tests were carried out on a 1:20 model. The hangar will consist of three units. 1) Each door will move either separately or together with several doors. 2) The floor of the hangar hall will carry pipes for heating. The floor of the workshops and the store buildings will have rigid ferroconcrete frames with a centre spacing of 12 m on to which the ceiling will be suspended. The reinforced

HUNGARY

BRENNER, Ferenc, Dr, ~~HUBACSEK, Magdolna, Dr.~~ HALMAVANSZKY, Bela, Dr; Megye Council of Komarom, Hospital, II. Medical Ward and II. Ambulant Services, Radiological Specialist Service (Komarom Megyei Tanacs Korhaza, II. Belosztaly es II. Rendelointezet, Rontgen-Szakrendeles).

"Fibrous Osteodysplasia Concomitant With Naevus Flammeus and a Pigment Anomaly."

Budapest, Magyar Radiologia, Vol XIX, No 1, Feb 67, pages 36-39.

Abstract: [Authors' English summary modified] A polyostotic form of fibrous osteodysplasia was observed in an 18 year old male patient. In addition to a pigment anomaly characteristic of the Albright syndrome, the bone lesions were also accompanied by naevus flammeus. The relationship between fibrous osteodysplasia and the Albright syndrome and the diagnostic importance of the skin changes are discussed. 8 Hungarian, 17 Western references.

1/1

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CIA-RDP86-00513R000618230008-3"

| | | | |
|------------|---|---|-------|
| COUNTRY | : | Czechoslovakia | H-5 |
| CATEGORY | : | Chemical Technology. Chemical Products and Their Applications--Safety and sanitation. | |
| ABS. JOUR. | : | RZKhim., No. 21 1959, No. | 75334 |
| AUTHOR | : | Machacek, V., <u>Hubacek, M.</u> , Kos, E., Panyr, M., and | |
| | : | Not given | |
| TITLE | : | Layout of a Radiochemical Laboratory for Work with Substances of Medium and High Radioactivity | |
| ORIG. PUB. | : | Jaderna Energie, 5, No 2, 55-60 (1959) | |
| ABSTRACT | : | The layout of the physical chemistry laboratory at the Nuclear Physics Institute, currently under construction in the Czech Peoples Republic, is described. The work of the laboratory will involve substances of medium and high alpha, beta, and gamma activity. The laboratory is divided into four sections, depending on the degree of radioactivity of the substances to be handled. The first section comprises the 'hot' laboratory for work with substances of very high activities. | |

CARD: 1/4 * Weber, M.

HUBACEK, Vitezslav

Activity of the Viticulture Research Station of the Czechoslovak
Academy of Agricultural Sciences in Karlstejn. Vestnik CSAZV 7
no.10:535-538 '60. (EEAI 10:3)

1. Vyzkumna stanice vinarska Ceskoslovenske akademie
zemelskych ved, Karlstejn.
(Czechoslovakia--Viticulture)

HUBACEK, Vitezslav

How to proceed in vineyard soil cultivation. Vestnik CSAZV 8 no.9:
471 '60. (EEAI 10:3)

1. Vyzkumna Stanice vinarska Ceskoslovenske akademie zemedelskych
ved, Karlstejn.
(Czechoslovakia--Viticulure) (Czechoslovakia--Soils)

HUBACEK, Vitezslav

Solved research tasks concerning the viticulture. Vestnik
vyzk zemedel 9 no.7:342-344 '62.

1. Vyzkumna stanice vinarska, Karlstejn.

HUBACEK, Vlastimil

Report on the tests and reconstruction of grinding drums in the
Hodonin Electric Power Plant. Energetika Cz. 14 no.5:228-233 My '64

1. Elektra na Hodonin National Enterprise.

CZECH/34-59-7-4/22

AUTHORS: Plzák, František, Ing. and Hubáčková, Helena, Ing.

TITLE: Contribution to the Metallography of Zirconium and Titanium (Příspěvek k metalografii zirkonia a titanu)

PERIODICAL: Hutnické Listy, 1959, Nr 7, pp 580-583 (Czechoslovakia)

ABSTRACT: Paper presented at the Scientific Conference held at the University College for Chemical Technology, Prague, September 22-23, 1958. To overcome the difficulties encountered when preparing and evaluating zirconium sections, the author proposes the use of careful mechanical grinding with metallographic abrasive papers "Sial" of a grain size Nr 500 applying a very small pressure, followed by simultaneous chemical polishing and etching with a solution of 45 cm³ H₂O, 45 cm³ concentrated HNO₃ and 8 to 10 cm³ HF. The chemical polishing and etching is carried out either by submerging the metallographic specimen into the solution or by applying the solution with cotton wool. The polishing and etching takes about 5 to 10 sec, at which time the first yellow vapours will be visible. Thus produced sections Card 1/2 can be investigated in polarised light. For investigations

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CZECH/34-59-7-4/22

Contribution to the Metallography of Zirconium and Titanium

with non-polarised light, the specimens have to be dyed and for this purpose the same solution can be applied diluted with 5 to 6 parts of H_2O . A similar method is proposed for titanium; in this case the solution consists of 60 cm³ H_2O_2 (30%), 40 cm³ H_2O and 8-10 cm³ HF (48%). Microstructure photographs of zirconium and titanium obtained by means of the here described processes are reproduced in Figs 1-10. There are 10 figures and 6 references, 4 of which are English, 1 French and 1 Soviet.

ASSOCIATION: Státní výzkumný ústav materialu a technologie, Praha
(State Research Institute for Materials and Technology,
Prague)

SUBMITTED: October 3, 1958

Card 2/2

HUBACKOVA, Irene

Matematika. Studijne texty pre posluchacov 4. roc. nadstavboveho dial. studia na hosp. skolach. (Mathematics; Study texts for 4th grade students of advanced correspondence courses of economic schools. illus., tables) Bratislava, SPN, 1957. 42 p.

Bibliograficky katalog, CSR, Slovenske Kihy, Vol. VIII. 1957. No. 9. p. 275.

HUBACKOVA, Jirina, inz.; BLAHOZ, Otakar, inz.

Effect of small admixtures in steel on the formation of interlayers
in melted tin coating. Sbor VSB Ostrava 10 no.3:301-310 't

1. Higher School of Mining, Ostrava. Submitted May 25, 1963.

HUBACKOVA, Jirina, inz.; TEINDL, Josef, prof. inz. DrSc.

Contribution to the metallography of tin coatings on steel
with a small amount of admixture. Sbor VSB Ostrava 10 no.3:
311-317 '64.

1. Higher School of Mining, Ostrava (for Hubackova). 2. Corresponding
member of the Czechoslovak Academy of Sciences (for Teindl). Submitted
May 29, 1963.

SEJNOHA, Roman, doc. inz. DrSc.; HUBACKOVA, Jirina, inz.

Effect of metallurgical factors on the corrosion of hot-water pipes. Sbor VSB Ostrava 10 no.3:361-370 '64.

1. Chair of Metal Science and Thermal Processing of the Higher School of Mining, Ostrava. Submitted September 11, 1963.

HRDINA, Karel, RNDr.; HUBACKOVA, Jirina, inz.

Creeping of boiler tubes. Hut listy 16 no.12:865-869 D '61.

1. Vyzkumny a zkusebni ustav, Nova Hut Klementa Gottwalda.

(Boilers)

HAVLICEK, Frantisek, inz. CSc.; HUBACKOVA, Jirina, inz.

Effect of the thermal stress of ingot molds during the
operation on their structure.. Sbor VSB Ostrava 9
no.3:411-423 '63.

L 30015-06 EMI(t//ETI 131107 11/74B
ACC NR: AP6020100

SOURCE CODE: CZ/0057/66/000/002/0000/00013

AUTHOR: Teindl, Josef (Professor; Engineer; Doctor of sciences); Hubackova, Jirina
(Engineer)

ORG: College of Mining, Ostrava (Vysoka skola banska)

TITLE: Lead covering of steel sheets and belts by a lead-tin alloy

SOURCE: Hutnik, no. 2, 1966, 80-83 ^{17 v7}

TOPIC TAGS: lead, lead base alloy, antimony containing alloy, corrosion resistance, sheet metal

ABSTRACT: There is very little lead covering of steel being made in Czechoslovakia. The Germans dismantled the only Czech plant during their occupation of the country in 1941, and the plant was never replaced. The author urges resumption of the production in Czechoslovakia; plastic coated steel sheets used at present in Czechoslovakia have many disadvantages when compared to lead lining. Method of lead covering using alloys of lead with antimony, and lead with tin are described. Application of the metal covering, corrosion resistance, and importance in the industrial applications are evaluated. Orig. art. has: 5 figures and 3 tables. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 004 / OTH REF: 009
SOV REF: 002

Card 1/1 *20*

HUBACKOVA, Libena, MUDr.

Studies on the effect of chamazulene on the human skin.
Cesk. dermat. 31 no.6:343-346 Dec 56.

1. Dermatologická klinika PU v Olomouci, přednosta prof. MUDr.
Gustav Lejhanec.

(SKIN, effect of drugs on,
azulene (Cz))

(CYCLOPARAFFINS, effects,
azulene on skin (Cz))

HUBALEK, J.

Hubalek, J.

The MTZ-8 tractor manure spreader. p. 207.

Vol. 5, no. 11, June 1955
MECHANISACE ZEMEDILSTVI

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 4, No. 9,
Sept. 1955, Uncl.

HUBALEK, J.

"Automatic control of agricultural machinery."

P. 15. (Ministerstvo zemedelstvi --Praha, Czechoslovakia.) Vol. 8, no. 1, Jan. 1958.

SO: Monthly Index of East European Accession (EEAI) LC, Vol. 7, No. 5, May 1958

HUBALEK, Josef, inz.

Main tasks of the packaging technique up to 1970. Tech praca
17 no.4:243-246 Ap '65.

1. Institute of Packaging, Prague.

L 18512-66 EWA(d)/EMP(t) IJP(c) JD
ACC NRI: AP6010259 SOURCE CODE: CZ/CO34/65/000/CO3/CO220/0220
AUTHOR: Pavlik, J.; Hubalek, J. (Engineer); Prenosil, B. (Engineer; Candidate of
sciences)
ORG: none
TITLE: Fine grain steel containing titanium 27
SOURCE: Hutnické listy, no. 3, 1965, 220 36
TOPIC TAGS: steel, metal test, alloy steel, metal grain structure, titanium, B
titanium steel
ABSTRACT: The article is an abstract of Czechoslovak Patent ap-
plication No Class 40b 39/26, PV 2061-64, dated 9 April 1964.
The subject of the invention is a modification of the method for
steel analysis based on Mn and Cr, and containing Ti. Such steels
may contain 1.0 - 1.3% Cr, 0.8 - 1.1% Mn, 0.17 - 0.32% C; further
they can be chrome-nickel cementation steels, nickel cementation
steels, Cr-Mn-Mo containing steels, and Cr-Mo containing steels
with Ti added to obtain fine grain and good machining properties.
The substance of the invention is the maintaining of Ti in the
limits of 0.1 - 0.08%. The steels maintain even after a cementa-
tion cycle a satisfactorily fine austenitic grain, and can be
cooled directly from cementation temperature to quench tempera-
ture. [JPRS]
SUB CODE: 11 / SUBM DATE: none
Card 1/1

Hubalek, K.; Zak, K.

"Mechanized Hoeing and Thinning of Sugar Beets", p. 709, (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 4, No. 7/8, July/Aug. 1954, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

HUBALEK, K.

Theory of placement of germinated plants sown in rows. p. 255.
SBORNIK. RADA MECHANISACE A ELEDTRIFIKACE ZAMEDELSTAVE A
LESNICTVE. Praha. Vol. 28, no. 4, Oct. 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 7, July 1956.

CZECHOSLOVAKIA/Cultivated Plants - Commercial. Oil-Bearing.
Sugar-Bearing.

M-5

Abs Jour : Ref Zhur -Biol., No 7, 1958, 29943

Author : Hubalek, Karel

Inst :

Title : The Theory of the Mechanical Thinning Out of Rows.

Orig Pub : Sbor. Veskosl. akad. zemed. ved. Mechanis. a elektrif.
zemed., 1956, 29, No 4, 405-432 (Czech; res. Russ., Eng.
Ger.).

Abstract : Formulas are presented for easy calculation of the culti-
vator efficiency or length of thinned rows of young sugar
beet plants left by the cultivator in mechanical thin-
ning. And equation and computations are also given to
determine the number of thinned rows with a single plant.
These serve to adjust the mechanical cultivator in such
a manner that it leaves thinned rows with as homogeneous
a plant grade as possible. Both the mechanical and

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CZECHOSLOVAKIA/Cultivated Plants - Commercial. Oil-Bearing.
Sugar-Bearing.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29943

control methods of thinning out the rows are in need of
exact verification of their economic efficiency.

Card 2/2

HUBALEK, K.

The theory of the opening of the stand for reforestation by the group shelterwood method. II. p.1.
(Beseda Venkovake Rodiny, Vol. 30, No. 1, Feb. 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 9, Sept. 1957. Uncl.

HUBALEK, K.

"Mechanism for moving a checkwire."

p. 69 (Zemelske Stroje, Vol. 3, no. 3, Mar. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 9,
September 1958

L 39629-66 EWT(d)/T/ENP(1) IJP(c) GD-2

ACC NR: AP6002851

SOURCE CODE: UR/0021/65/000/012/1551/1553

AUTHOR: Hubanov, H. P.; Gubanov, G. P.; Koval'chuk, B. V.

ORG: L'vov State University (L'vivs'kyi derzhavnyi universytet); Dnepropetrovsk State University (Dnipropetrovs'kyi derzhavnyi universytet)

TITLE: Linear methods of approximation of differentiable functions by means of algebraic polynomials

SOURCE: AN UkrSSR. Dopovidi, no. 12, 1965, 1551-1553

TOPIC TAGS: linear approximation, function, polynomial, approximation, differentiation

ABSTRACT: The linear methods of approximation of nonperiodic functions by means of algebraic polynomials are investigated. In the process are found effective conditions under which the order of approximation, carried out by the given method on the class of $W^{(r)}H[-1,1]$ functions, coincides with the order of the best approximations. This paper was presented by Mitropol'skyi, Yu. O., Academician of AN UkrSSR. Orig. art. has: 5 formulas.

SUB CODE: 12/ SUBM DATE: 17Nov64/

Card 1/1 MLP

HUBCZAK, Stanislaw, inz.

The KwPn-100 swaging machine. Mechanik 35 no.12:689 D '62.

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Moje doswiadczenia z pracy na kombajnie S-4. (Wyd. 1.) Warszawa, Panstwowe
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combine, 1st ed.)

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✓ Storage-time effect of sulfite-pulp sheets on their spinning properties. Josef Rumler and Jaroslav Huber (JUTA, národní podnik, Dvůr Králové nad Labem, Czech.). *Tekst* 10, 133-4(1956).—Expts. have confirmed the experience that sulfite-pulp sheets that have been stored for some time have better spinning properties, the quality of the

fabrics is better, and the refuse in production is smaller.
I. Hymr.

①

HUBER, A.

HUNG

10017* Spectrographic Determination of the Calcium Con-
tent of *Buxus baureanum gallicum* (Hungarian) *Buxus* sp.
nő megkötésű. (Hungarian) *Magyar Kísérleti* and
Általános Kísérleti Lapok, v. 10, no. 4, Apr. 1955, p.
144-145.
Includes tables: 14 ref.

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Distr: 4E20

The determination of some rare metals in Russian
bauxite. Mrs. Lynda K. Kohn and Aranka Huber. *Plant*
Part. Anal. Ind. Res. 1986, 10, 1-4. For the
detn. of Re, Cr, Ni, V, and Mo spectrochem. methods were
worked out. For Re, Cr, and Ni the bauxite powder was
dissolved with a 10,000 mesh screen, then added in varying
quantities to a sample of a similar known content. For V
and Mo a synthetic bauxite was produced. It was reduced
by acid, and then varying quantities of V and Mo were
added. Co was used in all cases for internal comparison,
and also in the control soln., as well as to the soln. of the
bauxite under investigation. Felicitas D. Goodman